

# AEROBELL - Powder Applicator

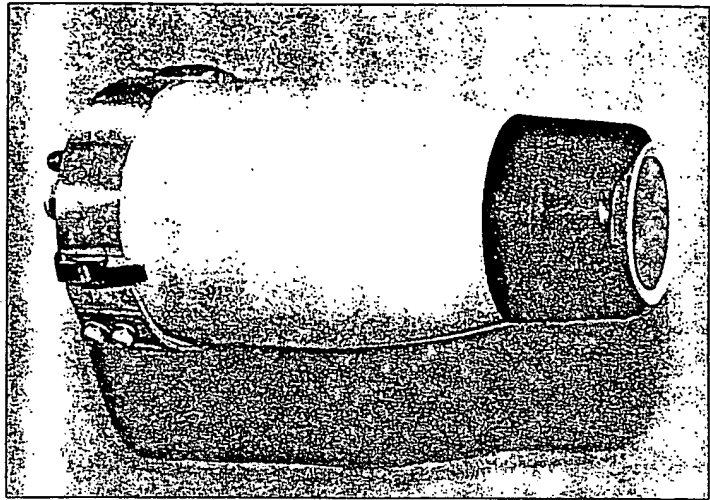
State-Of-The-Art Technology for Today's Powder Needs

## Features

- High transfer efficiency even at high powder flow rates
- Adjustable pattern size
- Stable pattern for film thickness uniformity
- Air bearing technology
- Direct charge of powder
- Sleek exterior configuration to facilitate cleaning.
- Closed-loop speed control
- Innovative bell cup design for improved powder cloud consistency

## Advantages

- Replaces multiple traditional powder guns
- Quick-disconnect flange makes change-over fast and easy
- PDC powder flow controller for optimized delivery
- Utilizes field proven power supply and control modules
- Adaptable to most reciprocators
- Patented design



Patented Aerobell-Powder Applicator

Designed around the industrial leader of rotary atomizers, the Aerobell is unmatched in performance. Superior atomization, improved pattern control and particle penetration, increased transfer efficiency and minimal maintenance over other rotary atomizers makes the Aerobell the number one choice for your powder applications.

The use of closed-loop speed controls and precision powder delivery equipment translate to an optimized, efficient powder coating system. Industry standard Rans-Pak 300 or 1000 High Voltage Power Supplies and Eurocard Air Control Modules provide a flexible environment to meet the tough demands of today's powder coating applications.

The ability to provide powder flow rates in excess of 300g/min. coupled with a stable, adjustable pattern size and high transfer efficiency produces repeatable film thickness uniformity for the work piece and a high quality finish for your customers.

A long-life air bearing turbine and innovative bell cup design provide low wear, high quality components for an overall reduction in operating cost. The quick-disconnect flange minimizes down time during scheduled maintenance checks.

**T Automotive Division**

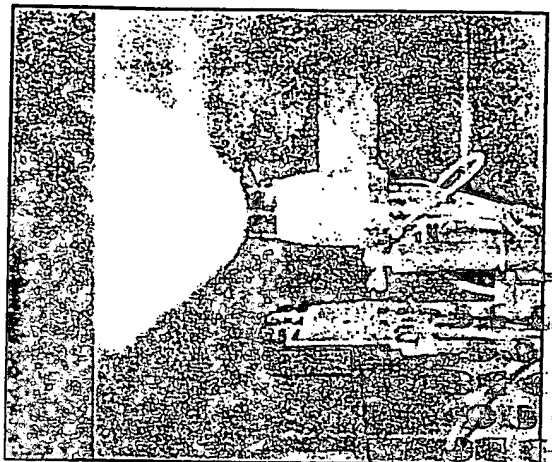
Finishing Systems and Products Group

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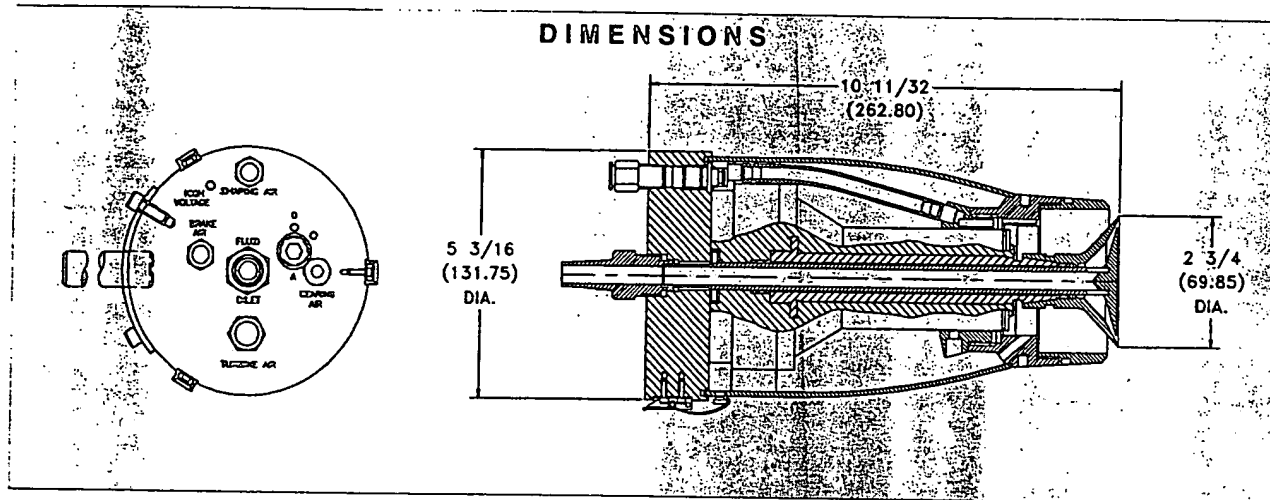
A unique bell cup/deflector design enables the Aerobell-Powder Applicator to provide optimized particle distribution through a range of speeds and powder flow rates.

Improved pattern control and particle penetration is achieved by providing shaping air from a circular slot located behind the bell. A continuous sheet of air hits 100% of the spray pattern providing greater pattern control than drilled jet designs which only come into contact with portions of the pattern.

**Aerobell - Powder Applicator:** A state-of-the-art solution for today's demanding powder applications.



For a demonstration or more information regarding the Aerobell-Powder Applicator, contact your local ITW Automotive representative or call 1-800-626-3565.



### SPECIFICATIONS

#### MECHANICAL

Size: (L x D)	10.0 in. x 5.25 in.
Weight:	10.55 lbs.
Turbine Speed:	0 - 19,000 RPM
Turbine Air:	45 PSIG max., 18 SCFM
Bearing Air:	60 - 100 PSIG, 2-3 SCFM @ 80 PSIG
Shape Air:	0 - 100 PSIG, 30 SCFM @ 100 PSIG
Break Air:	100 PSIG Nominal
Powder Flow:	700 g/min. max.
Atomization Pattern:	18 in. typ.
Speed Pickup:	Magnetic

#### ELECTRICAL

Power Supply Type:	Rans-Pak 300 / 4000
Output Voltage Range:	0 - 100kV
Output Current Range:	0 - 300µA / 0 - 1000µA
Cascade Mounting:	Bell or Reciprocator
Turbine Speed Control:	Eurocard Atomizer Module or Pulse Trak
Shape Air Control:	Eurocard Analog Module
Powder Flow Controller:	PDC

#### MOUNTING

Reciprocator:	Gema Volstatic - AC or Traditional Gun Car
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## Automotive Division

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